

Summary Table of the minimum number of samples necessary to identify Exposure Point Concentrations for human and ecological risk evaluation

Constituent	Human Health Risk Screening Value (mg/kg)	Quantity of historical samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Concentration (mg/kg)	Standard Deviation (mg/kg)	Calculated quantity of samples for statistical power ¹	VSP calculated quantity of samples: delta = diff(mean, threshold) ¹	VSP calculated quantity of samples: delta = 50% of threshold ²	Quantity of additional samples to collect	Comments
AOC-3: Sediment										
Aluminum	150000	44	35900	6668.954545	8084.757611	1	2	2		
Arsenic	22	44	17.3	2.530681818	2.988662023	1	2	2		
bis(2-Ethylhexyl)phthalate	24	44	0.729	0.101539773	0.132835807	1	2	2		
Zinc	76000	44	896	168.0670455	227.5925927	1	2	2		
AOC-3: Sediment number of additional samples needed for Human Health Risk Evaluation										